

Analytical Data Sheet

Lot number **1073911**
not for drug use

Catalog number **G-3550.0001**
Product number **4001046.0001**
Product **H- Val- Lys- OH · HCl**
Molecular formula $C_{11}H_{23}N_3O_3 \cdot HCl$
Relative molecular mass 281.78

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 46.74 %</td><td>C = 46.84 %</td></tr><tr><td>H = 8.59 %</td><td>H = 8.41 %</td></tr><tr><td>N = 14.86 %</td><td>N = 14.51 %</td></tr></tbody></table> <p>calc. as 1 HCl (Cl⁻ 12.5 %) x 0.05 H₂O (0.3 %)</p>	Theory	Found	C = 46.74 %	C = 46.84 %	H = 8.59 %	H = 8.41 %	N = 14.86 %	N = 14.51 %
Theory	Found								
C = 46.74 %	C = 46.84 %								
H = 8.59 %	H = 8.41 %								
N = 14.86 %	N = 14.51 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Water content (KF coulometric)	0.4%								
Chloride content (titration)	12.4%								

Latest update: October 31, 2017

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